XP-002263230

AN - 2002-167064 [22]

AP - JP20000086271 20000327

CPY - KAWA-N

DC - A17 A96 P33 P34

FS -- CPI; GMPI

IC - A61J1/14; A61L29/00; A61M5/14

MC - A04-E02E A04-F05 A04-G02E3 A04-G06 A05-G01E A10-E04A A12-V03D

PA - (KAWA-N) KAWASUMI LAB INC

PN - JP2001269403 A 20011002 DW200222 A61M5/14 006pp

PR - JP20000086271 20000327

XA - C2002-051620

XIC - A61J-001/14; A61L-029/00; A61M-005/14

XP - N2002-127788

- AB JP2001269403 NOVELTY A medical tube is composed of at least three layers comprising an outer layer with soft and anti-kink properties made of polyvinyl chloride or polyurethane copolymer; an intermediate mainly made of chlorinated polyethylene or maleic acid copolymer; and an inner layer made of polyethylene or a copolymer of polyethylene and alpha -olefin.
 - DETAILED DESCRIPTION A medical tube composed of at least three layers including:
 - (1) an outer layer (2) with soft and anti-kink properties at ratios of ·50-90 % to the total thickness, particularly made of soft polyvinyl chloride or a polyurethane copolymer;
 - (2) an intermediate layer (3) with favorable adhesive property, particularly mainly made of chlorinated polyethylene or a maleic acid copolymer, and
- (3) an inner layer (4) without absorbing medicine(s) and inhibiting dissolution of a plasticizer within the tube, particularly polyethylene or a copolymer of polyethylene and alpha -olefin.

- USE - As a medical, particularly a surgical tube.

- ADVANTAGE The tube has advantageous properties such as (1) anti-kink, (2) solvent welding, (3) no dissolution of solvent, (4) no adsorption of drug, e.g. nitroglycerin, and (5) adhesion between layers.
- (Dwg.1/2)

IW - MEDICAL TUBE .

IKW - MEDICAL TUBE

NC - 001

OPD - 2000-03-27

ORD - 2001-10-02

PAW - (KAWA-N) KAWASUMI LAB INC

TI - Medical tube

- A01 [001] 018; R00338 G0544 G0022 D01 D12 D10 D51 D53 D58 D69 D82 CI 7A; H0000; S9999 S1661; P1796 P1809
 - [002] 018; ND01; Q9999 Q8731 Q8719; Q9999 Q8026 Q7987; Q9999 Q7818-R; K9701 K9676; K9574 K9483; B9999 B5243-R B4740; K9416

- [003] 018; B9999 B3827 B3747

- [004] 018; A999 A384
- A02 [001] 018; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; H0000; M9999 M2244 M2222; S9999 S1661; P1150; P1161; P1229